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United States Department of Agriculture.

MONTHLY LIST OF PUBLICATIONS.

[SEPTEMBER, 1922.]

READ CAREFULLY BEFORE ORDERING.

☞**Send no remittances to the U. S. Department of Agriculture.**

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

☞**Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.**

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

☞NOTE.—As long as the department's somewhat limited supply of the current numbers of Farmers' Bulletins lasts they may be obtained by all applicants free of charge. They are also for sale at 5 cents per copy unless otherwise noted.

How to Attract Birds in the Middle Atlantic States. By W. L. McAtee, Assistant in Charge, Food Habits. Research. Pp. 16, figs. 11. Contribution from the Bureau of Biological Survey. Revised, August, 1922. **(Farmers' Bulletin 844.)**

Prepared for distribution in the Middle Atlantic States.

Common White Grubs. By John J. Davis, Entomological Assistant, Cereal and Forage Insect Investigations, Bureau of Entomology. Pp. 30, figs. 21. Revised August, 1922. **(Farmers' Bulletin 940.)**

Gives the life history and habits of these pests, and suggests methods of control.

Tractors on Southern Farms. By H. R. Trolley, Agricultural Engineer, and L. M. Church, Assistant in Agricultural Engineering, Bureau of Public Roads Pp. 26, figs. 3. August, 1922. **(Farmers' Bulletin No. 1278.)**

Summarizes the experience of 684 tractor owners in Southern States.

Laws Relating to Fur Animals, 1922. By George A. Lawyer, Chief United States Game Warden; and Frank L. Earnshaw, Assistant, Interstate Commerce in Game, Division of Enforcement of the Migratory Bird Treaty and Lacey Acts, Bureau of Biological Survey. Pp. 30. August, 1922. **(Farmers' Bulletin 1293.)** Price, 5 cents.

Suitable for general distribution.

DEPARTMENT BULLETINS—TECHNICAL.

☞The publications listed below are technical or scientific bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information as long as the supply lasts.

The Control of Sap-Stain, Mold, and Incipient Decay in Green Wood with Special Reference to Vehicle Stock.—By Nathaniel O. Howard, Pathologist, Office of Investigations in Forest Pathology. (In cooperation with the For-

est Products Laboratory of the United States Forest Service, Madison, Wis.) Pp. 55, pls. 2, figs. 26. Contribution from the Bureau of Plant Industry. (Professional Paper.) August 19, 1922. (Department Bulletin 1037.) Price, 15 cents.

Farm Management in Catawba County, North Carolina. By J. M. Johnson, Agriculturist, and E. D. Strait, Assistant Farm Economist, Bureau of Agricultural Economics, in cooperation with North Carolina State Board of Agriculture. Pp. 23, figs. 6. July, 1922. (Department Bulletin 1070.) Price, 5 cents.

Experiments with Spray Solutions for Preventing Insect Injury to Green Logs. By F. C. Craighead, Specialist in Forest Entomology, Forest Insect Investigations, Bureau of Entomology. Pp. 11. (Professional Paper.) August, 1922. (Department Bulletin 1079.) Price, 5 cents.

Reindeer in Alaska. By Seymour Hadwen, Chief Veterinarian and Parasitologist, and Lawrence J. Palmer, in Charge of Grazing Investigations, Bureau of Biological Survey. Pp. 74, pls. 24. September 22, 1922. (Department Bulletin 1039.) Price, 25 cents.

The Effect of Silage on the Flavor and Odor of Milk. By James A. Gamble, Professor of Dairy Husbandry, University of Maryland, Collaborator, and Ernest Kelly, in Charge of Market Milk Investigations, Dairy Division, Bureau of Animal Industry. Pp. 24, fig. 1. September 20, 1922. (Department Bulletin 1097.) Price, 5 cents.

Frost Injury to Tomatoes. By R. B. Harvey, formerly Plant Physiologist, Office of Plant Physiological and Fermentation Investigations, and R. C. Wright, Physiologist, Office of Horticultural and Pomological Investigations, Biological Survey. Pp. 74, pls. 24. September 22, 1922. (Department Bulletin 1099.) Price, 5 cents.

A Method of Determining Grease and Dirt in Wool. By D. A. Spencer, J. I. Hardy, and Mary J. Brandon, Animal Husbandry Division, Bureau of Animal Industry. Pp. 20, figs. 6. September, 1922. (Department Bulletin 1100.) Price, 5 cents.

Kernel-Spot of the Pecan and Its Cause. By J. B. Demaree, Assistant Pathologist, Office of Fruit-Disease Investigations, Bureau of Plant Industry. Pp. 15, figs. 5. (Professional Paper.) September 26, 1922. (Department Bulletin 1102.) Price, 5 cents.

The Detection of Hypochlorites and Chloramins in Milk and Cream. By Philip Rupp, Dairy Chemist, Dairy Division, Bureau of Animal Industry. (Professional Paper.) Pp. 5. August 30, 1922. (Department Bulletin 1114.) Price, 5 cents.

Describes a test which will detect the presence of hypochlorites and chloramins in milk and cream.

CIRCULARS.

Rules and Regulations of the Secretary of Agriculture Under the Food Products Inspection Law of May 11, 1922. Pp. 6. August, 1922. (Circular 160, Office of the Secretary.) Price, 5 cents.

Rules and Regulations of the Secretary of Agriculture, for Carrying Out the Federal Highway Act. Pp. 14. July 31, 1922. (Circular 161, Office of the Secretary.) Price, 5 cents.

Anthracnose of Muskmelons. By George K. K. Link and F. C. Meier, Pathologists. Pp. 4, pl. 1. Contribution from the Bureau of Plant Industry. (Office of Cotton, Truck, and Forage Crop Disease Investigations.) May, 1922. (Department Circular 217.) Price, 5 cents. For sale only.

Describes the effects of the disease and methods of control.

Eastern Blue-Stem of the Black Raspberry. By R. B. Wilcox, Scientific Assistant, Office of Fruit-Disease Investigations, Bureau of Plant Industry. Pp. 12, pl. 1. June, 1922. (Department Circular 227.) Price, 5 cents.

Motion Pictures of the U. S. Department of Agriculture. Prepared by Fred W. Perkins, Assistant in Charge of Motion Pictures, Division of Publications. Pp. 13. August, 1922. (Department Circular 233.) Price, 5 cents.

Bacterial Spot of Cucumbers. By F. C. Meier and G. K. K. Link, Pathologists, Office of Cotton, Truck, and Forage Crop Disease Investigations, Bureau of Plant Industry. Pp. 5, pls. 1. August, 1922. **(Department Circular 234.)** Price, 5 cents. For sale only.

Defects in the Quality of Butter. By C. W. Fryhofer, Butter Inspector, Food Products Inspection Service, Bureau of Agricultural Economics. Pp. 13. August, 1922. **(Department Circular 236.)** Price, 5 cents.

Some Experiments with a Boric-Acid Canning Powder. By Ruth B. Edmondson, Assistant Mycologist, and Charles Thom, Mycologist in Charge, Microbiological Laboratory, Bureau of Chemistry, and L. T. Giltner, Veterinary Inspector, Bureau of Animal Industry. Pp. 12. August, 1922. **(Department Circular 237.)** Price, 5 cents.

Directory of Officials and Organizations Concerned with the Protection of Birds and Game, 1922. By George A. Lawyer, Chief United States Game Warden, and Frank L. Earnshaw, Assistant, Interstate Commerce in Game, Enforcement of Migratory Bird Treaty and Lacey Acts, Bureau of Biological Survey. Pp. 20. September 26, 1922. **(Department Circular 242.)** Price, 5 cents.

REPORTS.

Report of the Porto Rico Agricultural Experiment Station, 1921. By W. D. May, Agronomist in Charge. Pp. 27, pl. 4. Price, 10 cents.

SERIALS.

Experiment Station Record. Vol. 45, Index Number. July-December, 1921. Pp. 901–995. September 13, 1922. Price, 10 cents.

Same. Vol. 47, No. 1. Pp. 1–100. July, 1922. Price, 10 cents.

NOTE.—The Record is a technical review of the world's scientific literature pertaining to agriculture, issued in 2 volumes a year, 10 numbers each. Its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. The subscription price is 75 cents a volume (foreign subscriptions, $1.25 a volume), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Weather, Crops and Markets. Vol. 2, Nos. 10 to 14, Sept. 2, 9, 16, 23, and 30, 1922.

This publication is issued weekly and combines three important regular periodicals heretofore issued as The Market Reporter, The Monthly Crop Reporter, and the National Weather and Crop Bulletin, and which have been discontinued. The free distribution is restricted to individuals and institutions assisting the department in disseminating information connected with agriculture.

Others desiring the publication can purchase it from the Superintendent of Documents, the subscription price being $1.00 a year. Address remittance to that official.

The Official Record. Vol. 1, Nos. 36 to 39, Sept. 6, 13, 20, and 27, 1922.

This publication carries official announcements and information concerning the work of the department in general and of the various bureaus.

SOIL SURVEYS.

☞All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of Logan County, Kentucky. By L. R. Schoenmann and Grove B. Jones, of the U. S. Department of Agriculture, and S. D. Averitt, of the Kentucky Agricultural Experiment Station. Pp. 56, fig. 1, map 1. **(From F. O. Soils, 1919.)** Price, 15 cents.

SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

These contain *only* information, instruction, and notices governing the enforcement of the food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only* at prices noted.

Bureau of Agricultural Economics. No. 71. Pp. 62. September, 1922. Price, 5 cents.

Previous numbers of this series have been issued as Service and Regulatory Announcements of the Bureau of Markets.

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Bureau of Animal Industry. No. 183. July, 1922. Pp. 79–89. September 1, 1922. Price, 5 cents.

Same. No. 184. August, 1922. Pp. 91–98. September, 1922. Price, 5 cents.

Bureau of Biological Survey. No. 47. Hunting of Wild Fowl on Salt River Reservation, Ariz. Pp. 1. September, 1922. Price, 5 cents.

Bureau of Chemistry. Supplement 138. Notices of Judgments 10351–10400. Pp. 193–227. July 26, 1922. Price, 5 cents.

Same. Supplement 139. Notices of Judgments 10401–10450. Pp. 229–252. September, 1922. Price, 5 cents.

SEPARATES.

Imports and Exports of Agricultural Products. Compiled in the Bureau of Markets and Crop Estimates, 1922. Pp. 33. **(Separate 867, Yearbook, 1921.)** Price, 5 cents.

Statistics of Grain Crops, 1921. Compiled in the Bureau of Markets and Crop Estimates. Pp. 74. **(Separate 868, Yearbook, 1921.)** Price, 10 cents.

Statistics of Crops Other Than Grain Crops, 1921. Compiled in the Bureau of Agricultural Economics. Pp. 94. **(Separate 869, Yearbook, 1921.)** Price, 15 cents.

Statistics of Live Stock, 1921. Compiled in the Bureau of Markets and Crop Estimates. Pp. 62. **(Separate 870, Yearbook, 1921.)** Price, 10 cents.

Miscellaneous Agricultural Statistics, 1921. Compiled in the Bureau of Markets and Crop Estimates. Pp. 34. **(Separate 871, Yearbook, 1921.)** Price, 5 cents.

Wheat Production and Marketing. By C. R. Ball, Cerealist, C. E. Leighty, Agronomist, Bureau of Plant Industry; O. C. Stine, Agricultural Economist, and O. E. Baker, Agricultural Economist, Bureau of Agricultural Economics. Pp. 83, figs. 72. **(Separate 873, Yearbook, 1921.)** Price, 10 cents.

The Cotton Situation. By A. M. Agelasto, Specialist in Cotton Classing, Bureau of Agricultural Economics; C. B. Doyle, Botanist, Bureau of Plant Industry; and G. S. Meloy, Investigator in Cotton Marketing, and O. C. Stine, Agricultural Economist, Bureau of Agricultural Economics. Pp. 323–406, figs. 53. **(Separate 877, Yearbook, 1921.)** Price, 15 cents.

A Graphic Summary of American Agriculture. By O. E. Baker, Agricultural Economist, Bureau of Agricultural Economics. Pp. 100, figs. 124. **(Separate 878, Yearbook, 1921.)** Price, 20 cents.

Based largely on the census of 1920.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Review. Vol. 50, No. 6. June, 1922. Pp. 281–340, figs. 10, charts 9. Price, 15 cents a copy, $1.50 a year, payable to the Superintendent of Documents.

Special articles: The local, or heat, thunderstorm. By C. F. Brooks.—The topographic thunderstorm. By C. Hallenbeck.—Tropical cyclones in Australia and the South Pacific and Indian Oceans. By S. S. Visher.—Tropical cyclones in the Northeast Pacific, between Hawaii and Mexico. By S. S. Visher.—A method for the calculation of normal frost dates from short temperature records. By W. B. Van Arsdel.—Dust over the North Atlantic. By W. E. Hurd.—Relations between the weather and yield of wheat in the Argentine Republic. By N. A. Hessling.—The rainfall of Venezuela. By A. J. Henry.—Normals for Brazilian stations. By C. F. Talman.—Concerning the halo of 46 degrees. By L. Besson.—Tornadoes in Wisconsin. By W. P. Stewart.—Thundersqualls in Wisconsin, June 9–10, 1922. By W. P. Stewart.—Concussions from naval gunfiring felt at Los Angeles. By R. A. Nelson.

NOTE.—The Monthly Weather Review is sent free to cooperating meteorological services, universities and institutions of learning which offer courses of instruction in meteorology, and to a limited number of individuals and students interested in the science of meteorology who make application for the Review, addressed to the Chief of the U. S. Weather Bureau and showing sufficient reasons why they should receive copies free of cost.

JOHN L. COBBS, JR.,
Chief, Division of Publications.

WASHINGTON : GOVERNMENT PRINTING OFFICE : 1922